

Date: Fri, 8 Jan 93 03:36:13 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #37
To: Info-Hams

Info-Hams Digest Fri, 8 Jan 93 Volume 93 : Issue 37

Today's Topics:

 GCP915.ZIP - Great Circle map centered on lat/long
 Northern Illinois - BIG HAMFEST - JAN 31 1992
 Really Closed?
 Repeater in Europe
 Weekly Solar Terrestrial Forecast & Review - 08-17 Jan.

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 5 Jan 93 12:52:19 PST
From: decctrl!news.crl.dec.com!pa.dec.com!mast.enet.dec.com!reisert@decwrl.dec.com
Subject: GCP915.ZIP - Great Circle map centered on lat/long
To: info-hams@ucsd.edu

I have uploaded to WSMR-SIMTEL20.Army.Mil:

pd1:<msdos.graphics>
GCP915.ZIP Great Circle map centered on lat/long

This MS-DOS program prints a great-circle map centered on your QTH. It is
printed in four sheets which must be taped together - two for the left side
and two for the right.

If you do not have FTP access to SIMTEL20 or its mirrors, files may be
ordered by e-mail from these servers:

Location	EARN/BITNET	Internet
----------	-------------	----------

-----	-----	-----
In USA:	LISTSERV@NDSUVM1	LISTSERV@VM1.NODAK.EDU
In USA:	LISTSERV@RPITSVM	LISTSERV@VM.ITS.RPI.EDU
In Turkey:	TRICKLE@TREARN	TRICKLE@EGE.EDU.TR
In Denmark:	TRICKLE@DKTC11	
In Italy:	TRICKLE@IMIPOLI	
In Belgium:	TRICKLE@BANUFS11	TRICKLE@UFSIA.AC.BE
In Austria:	TRICKLE@AWIWUW11	TRICKLE@AWIWUW11.WU-WIEN.AC.AT
In Germany:	TRICKLE@DSORUS1I	TRICKLE@RUSVM1.RUS.UNI-STUTTGART.DE
In Israel:	TRICKLE@TAUNIVM	TRICKLE@VM.TAU.AC.IL
In Netherlands:	TRICKLE@HEARN	TRICKLE@HEARN.NIC.SURFNET.NL
In France:	TRICKLE@FRMOP11	TRICKLE@FRMOP11.CNUSC.FR
In Chile:	TRICKLE@USACHVM1	
In Colombia:	TRICKLE@UNALCOL	TRICKLE@UNALCOL.UNAL.EDU.CO
In Taiwan:	TRICKLE@TWNMOE10	TRICKLE@TWNMOE10.EDU.TW

If your mailer wants bang paths: uunet!vm1.nodak.edu!listserv
uunet!vm.its.rpi.edu!listserv

If you use bang paths, substitute your nearest neighbor which is also on the Internet for uunet in the examples above. Some examples are: ames, decvax, decwrl, harvard, hplabs, nosc, rutgers, sharkey, sun, ucbvax, ucsd, udel, uw-beaver, wuarchive.

Send these commands to the server to get its help files:

```
HELP
GET PDGET HELP
```

Sample command (which gets our catalog of MS-DOS files):

```
/PDGET MAIL PD:<MSDOS.FILEDOCS>SIMLIST.ZIP UUENCODE
```

These commands should be sent as the body of a regular email message. Do not include a signature because it confuses the server. If you have xxdecode, you may wish to specify XXENCODE instead of UUENCODE to avoid character translation problems.

```
--
Jim Reisert                Internet:  reisert@mast.enet.dec.com
Digital Equipment Corp.    UUCP:      ...decwrl!mast.enet.dec.com!reisert
146 Main Street - ML03-6/C9 Voice:      508-493-5747
Maynard, MA 01754         FAX:        508-493-0395
```

Date: Fri, 8 Jan 1993 06:18:29 GMT

From: news.acns.nwu.edu!nucsr1!ddsw1!gagme!gagme!tedk@network.UCSD.EDU
Subject: Northern Illinois - BIG HAMFEST - JAN 31 1992
To: info-hams@ucsd.edu

Note: Please help to spread the word about this event.

>>>> Northern Illinois - BIG HAMFEST <<<<<

Wheaton Community Radio Amateurs (WCRA)

Sunday, Jan 31, 1992 Gates open at 8 a.m.

Odeum Expo Center, Villa Park, IL

VE Sessions, Flea Market, Commercial Tables,
Free Parking, Handicapped Accessible, Seminars.

Talk-in: 145.39- (WCRA Repeater)

Admission: At Door - \$6.00, Adv. \$5.00

Contact:
Wheaton Community Radio Amateurs
P.O. Box QSL
Wheaton, IL 60189

708/629-8006 or 708/629-8889

Some WCRA members who should have advance Tickets for sale are:

Naperville/Lisie Area:
Mark Spieglan, 708/224-4863
Doug Totel, 708/224-2410

Ted G. Kekatos, N9IXE
tedk@gagme.chi.il.us
708.390.0200 (w)
312.889.7401 (h)

Date: Fri, 8 Jan 1993 04:52:40 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!stanford.edu!kronos.arc.nasa.gov!
butch!netcomsv!bongo!julian@network.UCSD.EDU
Subject: Really Closed?
To: info-hams@ucsd.edu

If I access a closed repeater only using Morris, would the
trustees object?

--
Julian Macassey at bongo. julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Date: Fri, 8 Jan 1993 01:01:18 GMT
From: mcsun!sun4nl!relay.philips.nl!philica!geertj@uunet.uu.net
Subject: Repeater in Europe
To: info-hams@ucsd.edu

bs_s511@ceres (Yeghiazarian A) writes:

>Is there any one who knows or has a list of repeaters in Europe for
>144/430 MHz FM?
>If any one has this information I would appreciate them contacting me.

Have you configuration checked. Email doesn't work.

Ask the RSGB. They keep lists in cooperation with other amateur clubs

73, Geert Jan

Date: 8 Jan 93 07:48:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: Weekly Solar Terrestrial Forecast & Review - 08-17 Jan.
To: info-hams@ucsd.edu

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
January 08 to January 17, 1993

Report Released by Solar Terrestrial Dispatch
P.O. Box 357, Stirling, Alberta, Canada
T0K 2E0
Accessible BBS System: (403) 756-3008

SOLAR AND GEOPHYSICAL ACTIVITY FORECASTS AT A GLANCE

10-DAY SOLAR/RADIO/MAGNETIC/AURORAL ACTIVITY OUTLOOK

	Solar Activity	HF Propagation							+/-	CON	SID PROB.				Es	AU.BKSR				DX	Mag	Aurora			
		LO	MI	HI	PO	SWF	%MUF		%	ENH	LO	MI	HI		LO	MI	HI		%	K	Ap	LO	MI	HI	
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
08	LOW	G	G	F	F	20	-05	70		10	NA	NA	NA		00	05	25	30	3	12	NV	NV	LO		
09	LOW	G	G	P	P	20	-10	70		10	NA	NA	NA		01	15	30	30	4	15	NV	NV	LO		
10	LOW	G	G	P	P	20	-10	65		10	NA	NA	NA		02	20	35	30	4	15	NV	NV	LO		
11	LOW	G	G	F	F	25	-05	65		10	NA	NA	NA		02	15	35	30	3	12	NV	NV	LO		
12	LO-MOD	VG	G	F	F	30	00	65		15	NA	NA	NA		02	10	30	30	3	10	NV	NV	LO		
13	LO-MOD	VG	G	F	F	30	00	65		15	NA	NA	NA		02	10	20	30	2	10	NV	NV	LO		
14	LO-MOD	VG	G	F	F	30	00	65		15	NA	NA	NA		02	10	20	30	2	10	NV	NV	LO		
15	LO-MOD	VG	G	F	F	30	00	65		15	NA	NA	NA		02	15	25	30	3	12	NV	NV	LO		
16	LO-MOD	G	G	P	P	30	-05	60		15	NA	NA	NA		02	20	30	30	4	15	NV	NV	MO		
17	LO-MOD	G	G	P	P	30	-10	60		15	NA	NA	NA		02	25	35	30	4	17	NV	LO	MO		

DEFINITIONS:

Date (day only)

Possible Magnitude of Solar Flaring (LOW=C-class, MOD=M-class, HIGH=M or X)

HF Propagation Conditions for LOW, MIDDLE, HIGH, and POLAR areas (see below)

HF Short Wave Fade Probability (in %)

HF Maximum Usable Frequency in +/- percent above seasonal normals.

HF Prediction CONFidence Level (in %)

VHF Sudden Ionospheric ENHancement Probs (in %), weighted for low-mid lats

PROBability of "s"poradic E (Es) during the UT day for low, mid and high lats

VHF Auroral BackScatterR Probs (in %) for LOW, MIDDLE and HIGH Latitudes

VHF Overall Global DX Potential (in %) - weighted for Low and Middle latitudes

Geomagnetic Activity Kp Index (peak value - see below)

GeoMAGnetic Activity Ap Index (peak value - see below)

AURORAL Activity for LOW, MIDDLE and HIGH Latitudes (see below)

HF Prop. Quality rated as: EG=Extremely Good, VG=Very Good, G=Good, F=Fair, P=Poor, VP=Very Poor, EP=Extremely Poor.

Probability of Sporadic E (Es) for the various latitudes is given in percent.

Kp Planetary Index rated: 0=V.Quiet, 1=Quiet, 2=Unstld, 3=Active, 4=V.Active, 5=Minor Storm, 6=Major Storm, 7=Maj-Sev Storm, 8=Severe Storm, 9=V.Severe.

Ap Planetary Index rated: 0-7=Quiet, 8-16=Unstld, 17-29=Active, 30-49=Minor Storm, 50-99=Major Storm, Severe Storm >=100.

Auroral Activity rated: NV=Not Visible, LO=Low, MO=Moderate, HI=High, VH=Very High.

PEAK PLANETARY 10-DAY GEOMAGNETIC ACTIVITY OUTLOOK (08 JAN - 17 JAN)

EXTREMELY SEVERE												HIGH
VERY SEVERE STORM												HIGH
SEVERE STORM												MODERATE
MAJOR STORM												LOW - MOD.
MINOR STORM												LOW
VERY ACTIVE		*	*							*		NONE
ACTIVE	*	***	***	***	*			*	**	***		NONE
UNSETTLED	***	***	***	***	***	***	***	***	***	***	***	NONE
QUIET	***	***	***	***	***	***	***	***	***	***	***	NONE
VERY QUIET	***	***	***	***	***	***	***	***	***	***	***	NONE
Geomagnetic Field	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		Anomaly
Conditions	Given in 8-hour UT intervals											Intensity

CONFIDENCE LEVEL: 65%

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

60-DAY GRAPHICAL ANALYSIS OF GEOMAGNETIC ACTIVITY

42												M	
40												M	
38												M	
36												M	
34												M	
31												M	
29												M	
27		A										AM	
25		A										AM	
23		A										AM	A
21		A										AM	AA
19		A		A								AM	AA
17		A	A	A		A						AM	AAA A
15		A	A	AU		A						AM	AAA A
13	U U	UAUU	A U	UAU		A						AM	AAAU A
10	U U	UUAUU	A UU	UAUU		A	UU					AM	AAAUUUUA
8	U U	UUAUUU	UAUUU	UAUUU	U A	UU						AMUU	AAAUUUUA
6	UUUUU U	UUAUUU	UAUUUU	UAUUU U	U AU	UUUUUUU						AMUUUAAAAUUUA	
4	UUUUUQU	UUAUUU Q	UAUUUUQU	UAUUUQU	QUQU	QUUUUUUUU						QAMUUUAAAAUUUA	

2 |UUUUUUQUQUUUAUUUUQQQUAUUUUUQUAUUUUQUQUQUAUUUUUUUUUUUQQAMUUUUAAAAUUUUUA|

Chart Start Date: Day #318

NOTES:

This graph is determined by plotting the greater of either the planetary A-index or the Boulder A-index. Graph lines are labelled according to the severity of the activity which occurred on each day. The left-hand column represents the associated A-Index for that day.

Q = Quiet, U = Unsettled, A = Active, M = Minor Storm,
J = Major Storm, and S = Severe Storm.

CUMULATIVE GRAPHICAL CHART OF THE 10.7 CM SOLAR RADIO FLUX

186 |
183 | E
180 | E
177 | E *
174 | E **
171 | E ** *
168 | E ** *
165 | E **** ***
162 | E *****
159 | E*****
156 | E*****
153 | E*****
150 | *E*****
147 | *E*****
144 | *E***** *
141 | *E*****
138 | *E*****
135 | * **E*****
132 | * **E*****
129 | * **E***** * ***
126 | ** ****E***** * ** ***
123 | *****E***** * *****
120 | *****E*****
117 | *****E*****
114 | *****E*****

Chart Start: Day #316
'E' = Flare Enhanced Flux

GRAPHICAL ANALYSIS OF 90-DAY AVERAGE SOLAR FLUX

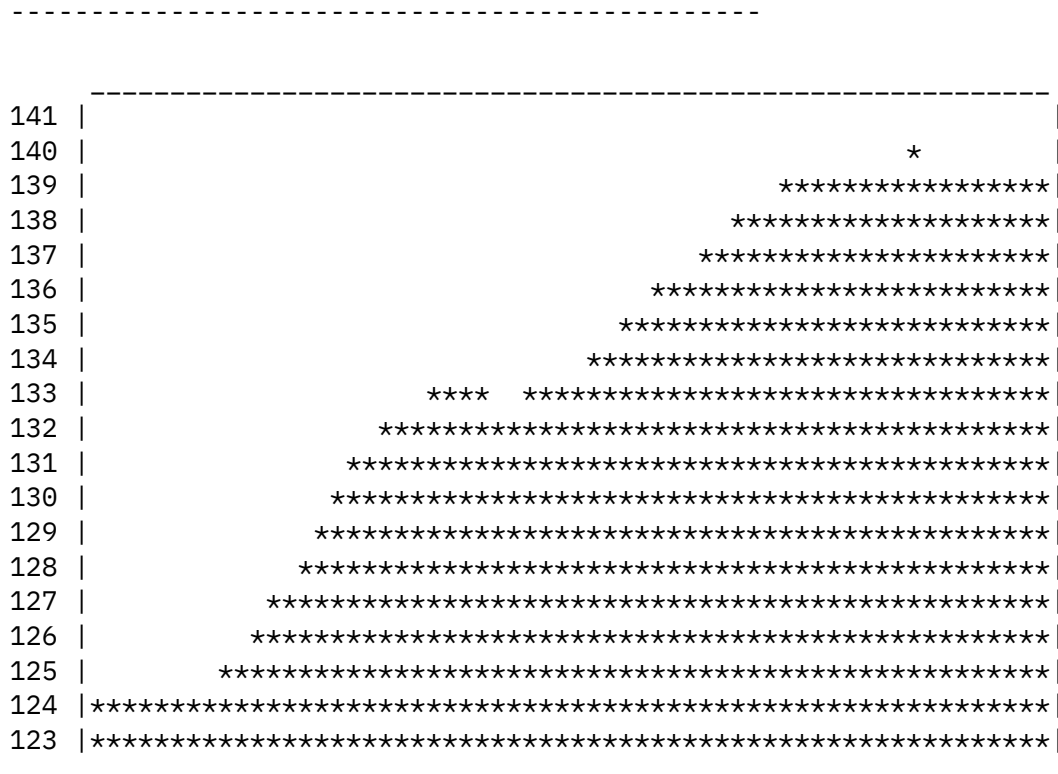


Chart Start: Day #316

NOTES:

The 10.7 cm solar radio flux is plotted from data reported by the Penticton Radio Observatory (formerly the ARO from Ottawa). High solar flux levels denote higher levels of activity and a greater number of sunspot groups on the Sun. The 90-day mean solar flux graph is charted from the 90-day mean of the 10.7 cm solar radio flux.

CUMULATIVE GRAPHICAL CHART OF SUNSPOT NUMBERS



Low Latitude Paths

CONFIDENCE LEVEL ----- 70%	EXTREMELY GOOD													
	VERY GOOD						*	*	*	*				
	GOOD	***	***	***	***	*	*	*	*	*	*	***	***	
	FAIR													
	POOR													
	VERY POOR													
	EXTREMELY POOR													
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PROPAGATION QUALITY	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun			
		Given in 8 Local-Hour Intervals												
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

NOTES:

NORTHERN HEMISPHERE				SOUTHERN HEMISPHERE			
High latitudes	>= 55	deg. N.		High latitudes	>= 55	deg. S.	
Middle latitudes	>= 40 < 55	deg. N.		Middle latitudes	>= 30 < 55	deg. S.	
Low latitudes	< 40	deg. N.		Low latitudes	< 30	deg. S.	

POTENTIAL VHF DX PROPAGATION PREDICTIONS (08 JAN - 17 JAN) INCLUDES SID AND AURORAL BACKSCATTER ENHANCEMENT PREDICTIONS

HIGH LATITUDES

NOT AVAILABLE	Given in 8 hour local time intervals										SWF/SID ENHANCEMENT									
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-	-	-	-	-	-	-	-	-	-
0%											0%	*	*	*	*	*	*	*	*	*
20%											20%			*	*	*	*	*	*	*
40%			N O T P R E S E N T L Y								40%									
60%			A V A I L A B L E								60%									
80%											80%									
100%											100%									
=====	===	===	===	===	===	===	===	===	===	===	-----									
100%											100%									
80%											80%									
60%											60%									
40%											40%									*
20%	***	***	***	***	***	***	***	***	***	***	20%	*	*	*	*			*	*	*
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*
-----	---	---	---	---	---	---	---	---	---	---	-	-	-	-	-	-	-	-	-	-
CHANCE OF VHF DX	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
	Given in 8 hour local time intervals										AURORAL BACKSCATTER									
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----									

MIDDLE LATITUDES

NOT AVAILABLE	Given in 8 hour local time intervals									SWF/SID ENHANCEMENT										
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
											-	-	-	-	-	-	-	-	-	-
0%											0%	*	*	*	*	*	*	*	*	*
20%											20%	*	*	*	*	*	*	*	*	*
40%			NOT PRESENTLY AVAILABLE								40%				*	*	*	*	*	*
60%			A V A I L A B L E								60%									
80%											80%									
100%											100%									
=====	===	===	===	===	===	===	===	===	===	===		-----								
100%											100%									
80%											80%									
60%											60%									
40%											40%									
20%	***	***	***	***	***	***	***	***	***	***	20%	*	*						*	*
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*
-----	---	---	---	---	---	---	---	---	---	---		-	-	-	-	-	-	-	-	-
CHANCE OF VHF DX	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
	Given in 8 hour local time intervals										AURORAL BACKSCATTER									

LOW LATITUDES

NOT AVAILABLE	Given in 8 hour local time intervals									SWF/SID ENHANCEMENT										
	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
											-	-	-	-	-	-	-	-	-	-
0%											0%	*	*	*	*	*	*	*	*	*
20%											20%	*	*	*	*	*	*	*	*	*
40%			NOT PRESENTLY AVAILABLE								40%				*	*	*	*	*	*
60%			A V A I L A B L E								60%									
80%											80%									
100%											100%									
=====	===	===	===	===	===	===	===	===	===	===		-----								
100%											100%									
80%											80%									
60%											60%									
40%	*	*	*	*	*	*	*	*	*	*	40%									
20%	***	***	***	***	***	***	***	***	***	***	20%									
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*
-----	---	---	---	---	---	---	---	---	---	---		-	-	-	-	-	-	-	-	-
CHANCE OF VHF DX	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S
	Given in 8 hour local time intervals										AURORAL BACKSCATTER									

NOTES:

These VHF DX prediction charts are defined for the 30 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX

propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts.

AURORAL ACTIVITY PREDICTIONS (08 JAN - 17 JAN)

High Latitude Locations

CONFIDENCE LEVEL ----- 65%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE										**	**
	LOW	***	***	***	***	*	*	*	***	***	***	
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Middle Latitude Locations

CONFIDENCE LEVEL ----- 65%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW		*	*							*	*
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
-----		---	---	---	---	---	---	---	---	---	---	
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Low Latitude Locations

CONFIDENCE LEVEL ----- 85%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW											
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

NOTE:

For more information regarding these charts, send a request for the

document, "Understanding Solar Terrestrial Reports" to: "Oler@Rho.Uleth.Ca" or to: "COler@Solar.Stanford.Edu". This document, as well as others and related data/forecasts exist on the STD BBS at: (403) 756-3008.

** End of Report **

Date: Fri, 8 Jan 1993 08:36:34 GMT
From: qualcom.qualcomm.com!servo.qualcomm.com!karn@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan6.093218.27598@qualcomm.com>, <1ihk85INNeh8@tamsun.tamu.edu>, <1iimg8INNsdm@network.ucsd.edu>
Subject : Re: Who do repeater coordinators represent?

In article <1iimg8INNsdm@network.ucsd.edu> brian@ucsd.edu (Brian Kantor) writes:
>That's all well and good theory, Phil, but who is going to build it?

Theory in ham radio, perhaps. Practice elsewhere. Anybody with the time and the tenacity who wants to can build it.

>BTW, when are you going to put your antennas up? You've been living
>there at least half a year and you don't have ANY of them installed yet.

When I get interested in ham radio again.

Phil

End of Info-Hams Digest V93 #37
